

Title (en)  
GAS ENGINE CONTROL METHOD

Title (de)  
STEUERUNGSVERFAHREN FÜR EINEN GASMOTOR

Title (fr)  
PROCÉDÉ DE COMMANDE DE MOTEUR À GAZ

Publication  
**EP 3369923 A4 20190522 (EN)**

Application  
**EP 16859522 A 20161006**

Priority  
• JP 2015214007 A 20151030  
• JP 2016079826 W 20161006

Abstract (en)  
[origin: EP3369923A1] A method of controlling a gas engine that is operated under lean-burn conditions, the method adjusting ignition timing such that a delay calculation value of an actual knocking occurrence ratio becomes a target occurrence ratio, the method comprising: when a delay calculation value of a maximum pressure in a cylinder of the gas engine is greater than or equal to a reference value, converting the delay calculation value into a virtual knocking occurrence ratio greater than or equal to a value that is greater than the target occurrence ratio; and either adding the virtual knocking occurrence ratio to the delay calculation value of the actual knocking occurrence ratio and then comparing the resulting delay calculation value of the actual knocking occurrence ratio with the target occurrence ratio, or comparing the virtual knocking occurrence ratio instead of the delay calculation value of the actual knocking occurrence ratio with the target occurrence ratio.

IPC 8 full level  
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Citation (search report)  
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• [A] JP 2007247569 A 20070927 - MITSUI SHIPBUILDING ENG  
• [A] JP 2011144753 A 20110728 - HONDA MOTOR CO LTD  
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DOCDB simple family (publication)  
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**EP 16859522 A 20161006**; FI 16859522 T 20161006; JP 2015214007 A 20151030; JP 2016079826 W 20161006; US 201615772114 A 20161006